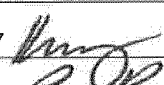


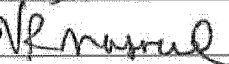


<b>4 CRUDE MAJOR EWO NO. : BE301-E2</b>		<b>REV: 1</b>
<b>PLANT: 4 CRUDE</b>	<b>SAP COST CENTER: DD173-EXP</b>	
<b>W/O # 313119-001</b>	<b>PROJECT / OUTAGE #: SDD108A</b>	
<b>C-1100 PED INSTRUCTIONS</b>		
<b>MOC #:</b>		
<p align="center"><b>Level 1 - Management of Change Review</b></p> <p><b>Will This Change:</b></p> <p><input type="checkbox"/> Cause the use of different feeds, chemicals, or catalysts?</p> <p><input type="checkbox"/> Cause the use of different process conditions, instrumentation, process control, or affect upstream/downstream plants?</p> <p><input type="checkbox"/> Cause the use of new or modified equipment (which is other than in-kind)?</p> <p><input type="checkbox"/> Alter equipment siting, building, trailer locations, roads, or fire protection?</p> <p><input type="checkbox"/> Require modifying existing and/or developing new procedures?</p> <p><input type="checkbox"/> Affect employee emergency response due to an organizational change?</p> <p><input type="checkbox"/> Transfer the responsibility for any environmental, health, or safety-related task?</p> <p><input type="checkbox"/> Alter the permanent staffing level or organization of any safety-sensitive job?</p>		
<b>SAFETY OPERATOR</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>IN VOC SERVICE?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>IN PLANT WELDING?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>APPROVALS</b>		
<b>OPERATIONS :</b> K. Sohnrey 	<b>DATE:</b> 3/22/11	<b>PHONE:</b> 2-2042
<b>ENGINEERING :</b> B. Purvis 	<b>DATE:</b> 3/22/11	<b>PHONE:</b> 2-2853
<b>IMPACT. T.L. :</b> M. Greenfield 	<b>DATE:</b> 3/22/11	<b>PHONE:</b> 2-1179
<b>MAINTENANCE:</b> V. Massaro 	<b>DATE:</b> 3/22/11	<b>PHONE:</b> 2-5995
Remove Reference to Internal Overflash Meter Work <b>R. RAMIREZ</b> <b>MAR 21 2011</b>		

## **1.0 SCOPE**

Enter C-1100 for cleaning, inspection, and small repairs.

## **2.0 GENERAL REQUIREMENTS**

Clean column per Process Engineering (PED) and inspection requirements.

## **3.0 MATERIALS**

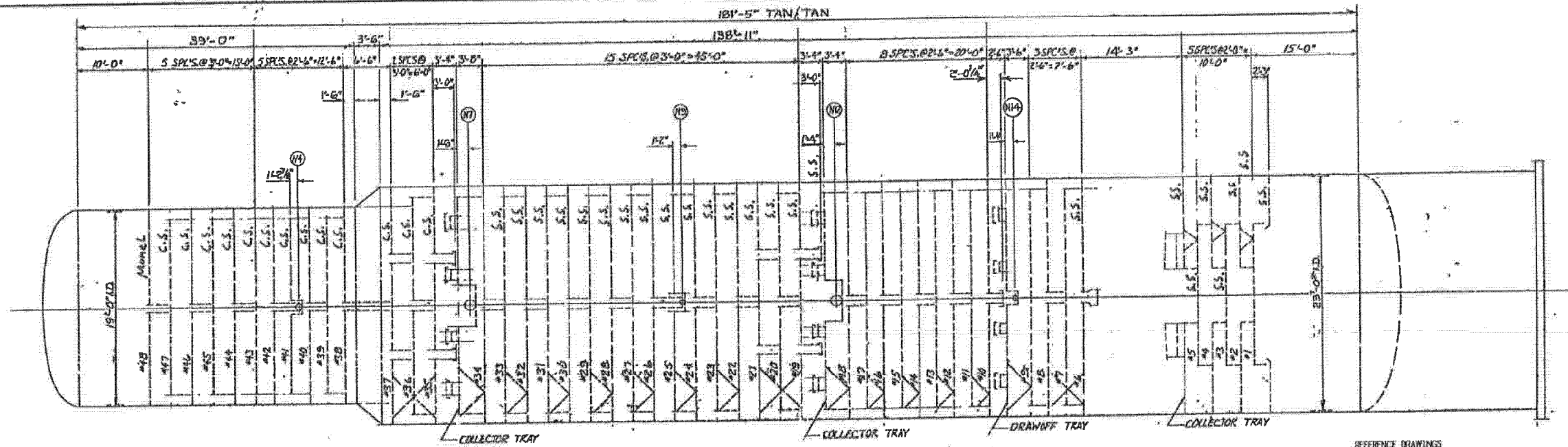
None

## **4.0 WORK DESCRIPTION**

- 4.1 Enter column. Remove manways for access to all trays.
- 4.2 Allow PED and inspection to perform a dirty inspection of the column immediately after opening.
- 4.3 Clean any sludge or scale that has accumulated on the trays or in the draw boxes.
- 4.4 Allow PED and Designs Engineering (DED) to inspect the flash zone impingement plate, the downcomer in tray 33, the sump on tray 26, and the sump on tray 6. Make any needed repairs as determined by engineering.
- 4.5 PED, DED, and Inspection must inspect and sign off for final closure.
- 4.6 After final sign-off, close all manways.

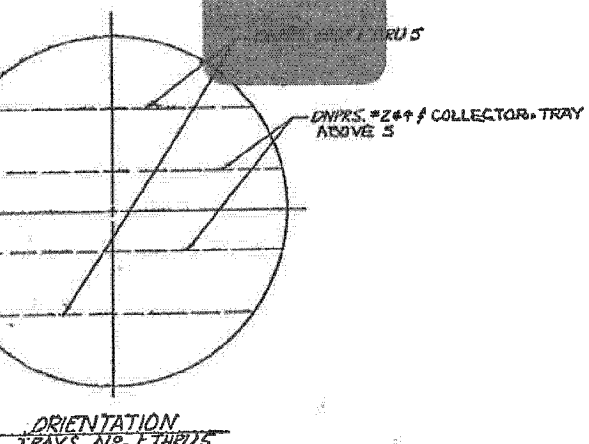
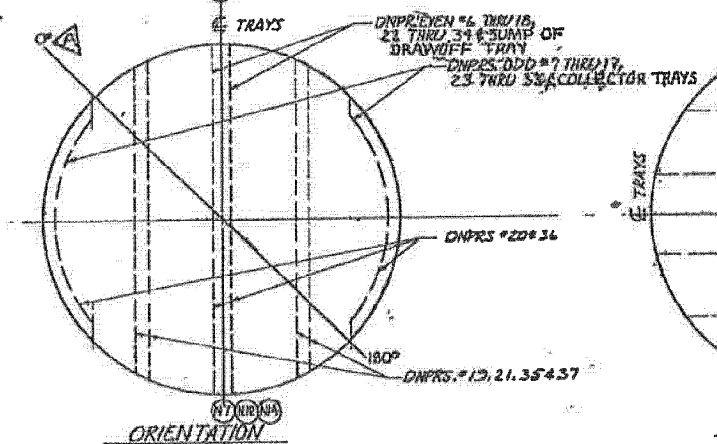
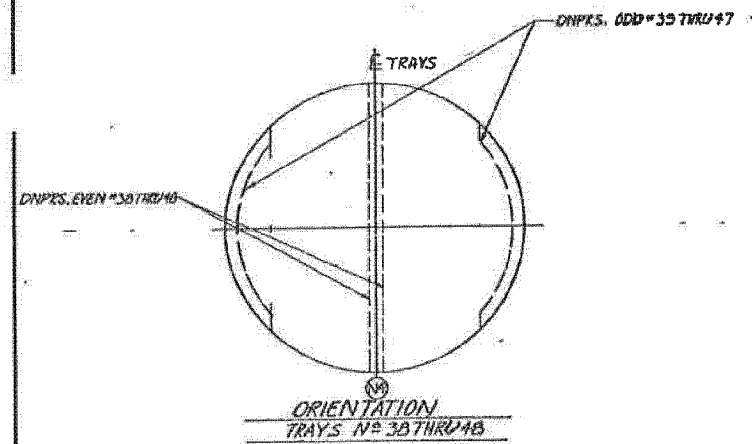
## **5.0 ATTACHMENTS**

- 5.1 C-1100 Column drawing.



ELEVATION  
OF TOWERS REQUIRED

Tray 6-18  
Should all be S.S.  
Per the drawings



NOTES:  
1. ALL PARTS MUST PASS THRU 22 1/2" I.D. MANWAY, EXCEPT TRUSSES.  
2. ALL TWR. ATTACH. BY TWR. FABR.  
3. \* INDICATES REF. DIM. ONLY.

MATERIAL:  
ABOVE TRAY NO. 18 TO BE CARBON STEEL.  
TRAY NO. 18 & BELOW TO BE 40S S.S.

REFERENCE DRAWINGS	
12124-E-01-1	12124-E-01-1
12124-E-01-2	12124-E-01-2
12124-E-01-3	12124-E-01-3
12124-E-01-4	12124-E-01-4
12124-E-01-5	12124-E-01-5
12124-E-01-6	12124-E-01-6
12124-E-01-7	12124-E-01-7
12124-E-01-8	12124-E-01-8
12124-E-01-9	12124-E-01-9
12124-E-01-10	12124-E-01-10
12124-E-01-11	12124-E-01-11
12124-E-01-12	12124-E-01-12
12124-E-01-13	12124-E-01-13
12124-E-01-14	12124-E-01-14
12124-E-01-15	12124-E-01-15
12124-E-01-16	12124-E-01-16
12124-E-01-17	12124-E-01-17
12124-E-01-18	12124-E-01-18
12124-E-01-19	12124-E-01-19
12124-E-01-20	12124-E-01-20
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12124-E-01-98	12124-E-01-98
12124-E-01-99	12124-E-01-99
12124-E-01-100	12124-E-01-100

ISSUE DATE					
FOR APPROVAL		IA		Updated B. Scalet 6/10/07	
APPROVED FOR CONSTRUCTION	1	CMW	CW	9 AUG 06	REVISED REFERENCE DRAWINGS
MARK	BY	CKD	DATE	DESCRIPTION	
ELEVATION & ORIENTATION OF TRAYS					
IN 19'-0" X 23'-0" I.D. ATMOSPHERIC COLUMN					
C-1100-R					
CHEVRON U.S.A.			CHEVRON PRODUCTS CO.		
RICHMOND, CA			RICHMOND, CA		
SHOP NO.	REF	SCALE/NOTE	DATE	K KOCH-GLITSCH	
8023263		OR - KLS	11-17-01	K KOCH-GLITSCH U.S.A.	
CUSTOMER ORDER NO.		CKD KS	11-19-01	WORLD LEADER IN MASS TRANSFER EQUIPMENT	
78078		APP		WIS NO. 8023263	
REV. NO.				DRAWING NO. 12124-E-01-5	
				REV. 1	

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